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ABSTRACT

This module on safety is the first of six (CE 028 296-301) in the auto mechanics course of a bilingual skills training program. (A Vocabulary Development Workbook is available as CE 028 294.) The course is designed to furnish theoretical and laboratory experience. Module objectives are for students to develop trade-related Spanish/English vocabulary, to define safety, to list rules for fire prevention in the shop and while using lifting devices, and to describe safe work clothing. Contents include list of module objectives; pretest; five sections on (1) definition of safety and maintenance, (2) using tools and equipment, (3) fire prevention, (4) proper clothing, and (5) lifting devices; posttest; and English/Spanish vocabulary list. Each section is organized into this format: instructions in Spanish and English; vocabulary; concepts (statements or questions to direct reading); readings; and worksheets to evaluate comprehension of the trade-related reading material. Worksheets also cover these areas: vocabulary, definitions, word attack skills, spelling, writing skills, and application of terminology to the trade area. (YLB)

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I. PURPOSE

This module is to:

1. Assist students in developing trade-related vocabulary.

2. Facilitate the learning of the trade through reading information sheets, vocabulary lists and language exercises.

3. Provide student with individual check lists for individual progress.

II. INTRODUCTION

Auto Mechanics requires the student to follow a defined theoretical course of study as well as acquire practical knowledge in the respective trade. Due to the limited amount of time allowed for theory and the difficulty of the technical vocabulary found in the reading, the student often needs additional help in this area. Students in the Auto Mechanics trade are required to pass periodical tests and a final review before receiving a certificate allowing them to practice their trade. To succeed in passing this exam and to be better equipped for the job, the student must be able to function in the oral and written communication skills and utilize the technical vocabulary of their trade. This module is structured to provide for individual needs of the students so that they may progress at their pace in theacademic or theoretical area. A simple coding system is utilized to facilitate student use.

III. ACTIVITIES

Because each module is geared for individualized instruction it is important to assess the individual needs of the students. A pre-test is administered to students before they begin working with a module. Instructions are given orally in Spanish and English.

Instructions, vocabulary and concepts in each module are written in Spanish and English so as to explain the purpose of each reading. There is a reading for each objective presented in the module. The reading is referred to as an information sheet. This sheet is designed to provide the student with reading material incorporating the technical vocabulary that is needed in the trade skill area. The gradation of reading is from simple to more complex. Thus the information sheet facilitates the learning process in the theoretical course of study. Each information sheet is followed by a series of diversified work sheets directly checking for comprehension of the reading material. Other items covered in these work sheets are: vocabulary, definitions, work attack skills, writing skills, spelling and application of terminology to the trade area.

Oral language development exercises directed by the instructor constantly reinforce the concepts presented. Students have an opportunity to utilize and develop the technical vocabulary needed in their trade by interaction among themselves, the instructor and tutors. The Bilingual dimension is specifically directed at concept and vocabulary development.

The students are directed to utilize supplementary materials available through the Learning Resource Center to reinforce each area as they progress in the module. Audio visuals are utilized to introduce subject matter. They are also accessible to the students to be used on an individual basis.

IV. EVALUATIO

The students are evaluated by the instructors as to their progress in language and in the course content area through the pre-test, work sheets, check list and a post test. Individual student profiles and folders are kept on record to check on student progress at all times. Oral development skills are assessed individually.

Students go through the following process in utilizing the modules:

Pre-test (Students scoring 85% or below must complete the entire module. Those scoring above 85% may go on to the next module.)

Reading of instruction sheet
Information Sheet
Series of written and oral exercises
Oral evaluation
Post test (oral and written)
Recycling, if needed (Students scoring 85% or below on post-test are recycled through module in designated weak areas. See coding system.)

V. MODULE OUTLINE

1.0 Safety in the Automotive Shop

1.1 Definition of safety and maintenance

1.2 Using tools and equipment

1.3 Fire prevention

1.4 Proper clothing

1.5 Lifting devices

STUDENT OBJECTIVES

After completing this module the student will be able to:

1.1 Define safety

1.2 Give seven basic rules on using tools and equipment safely.

1.2.1 Give examples how defective tools can be dangerous.

1.3 List the six general rules for fire prevention in the shop.

1.4 List three types of lifting devices

1.4.1 Identify safety rules for using jacks

1.4.2 Identify safety rules for using chain hoists

1.4.3 Identify safety rules for using lifts

1.5 Describe type of clothing necessary for working safely in auto shop.

1.5.1 Explain why it is important for an auto mechanic not to horseplay during work.

PRE-TEST 1.0

1. How are the majority of accidents caused in the shop?

2. Why is it important to know how to act in an automotive shop?

3. What are the seven basic rules an automotive mechanic must follow?

4. Why should defective tools and equipment be replaced or repaired?

5. Why should you use solvent instead of gasoline for cleaning?

6. What is spontaneous combustion?

7. What rules should you follow when using a chain hoist?

8. List three rules you should follow when using a drive-on type lift.

9. What type of jewelry should never be worn and why?

10. Why should an auto mechanic work quietly?

Instructions:

In this information sheet you will read about safety in the automotive shop. There is important information that will help you in your trade. The vocabulary list provided will help you remember important words that deal with shop safety.

Instrucciones:

En esta página de información vas a leer acerca de seguridad en un taller de automóviles. Hay información importante que te ayudará en tu trabajo. La lista de vocabulario te ayudará a recordar palabras importantes que aparecen en esta lectura.

Vocabulary

safety Condition of being safe from injury.
Safety in the shop protects workers from injury.

automotive shop Business having to do with vehicles.
The best place to take your car to get a tune-up is an automotive shop.

rules Regulations for mechanics to follow.
A list of safety rules was drawn up for the new shop.

equipment Implements or tools.
A mechanic must keep his equipment in good working condition.

Keep the following information in mind while you are reading this article.

1. It is your job to keep a shop safe.

2. A shop must be maintained properly.

3. You must conduct yourself as a responsible mechanic.

4. If a customer feels unsafe, he will not trust you or your work.

5. To be safe means to be free of danger.

Safety in the Automotive Shop

1. Have you ever visited an automotive shop that made you feel unsafe because tools or equipment were not put away or properly handled? Your life can be endangered in such a place. To be safe means to be free of danger.

2. People who work in the area of auto mechanics have the very important responsibility of taking safety measures for themselves as well as for others that come into their shops. Accidents can take place very easily when a shop is not kept up properly. Either unsafe conditions or unsafe acts cause accidents. Usually a combination of both causes the majority of accidents. Your shop not only needs to be safe but you must also know how to act as a responsible mechanic. It is your job to keep a shop safe.

3. All auto mechanics work with the same basic tools. There are certain rules to follow in working with tools because of the many accidents that occur in shops. The automotive shop can be a very dangerous place to work in if safety rules are not observed.

4. If a customer feels safe in your shop, he then can trust your work also. It is important that a customer have confidence in you, your shop and your work. The next information sheet will discuss in detail some safety rules to be observed when working with tools and equipment.

Find The Answers 1.1

1. To be safe means to be

   A. unsafe
   B. endangered
   C. free of danger
   D. careful

2. The word in paragraph 3 that means risky or hazardous is _____.

3. The words "can be endangered" in paragraph 1 refer to the word _____ _____.

4. The story does not say so, but it makes you think that

   A. Customers are the cause of most accidents.
   B. Accidents can be prevented by keeping your shop safe.
   C. Safety is not needed in the shop.

5. All auto mechanics work with different basic tools.

   Yes No Does not say

6. On the whole, this story is about

   A. Responsible mechanics
   B. Different tools used by auto mechanics
   C. The importance of safety in the automotive shop

7. Why should a customer feel safe in your shop?
   (Check the story again)

   A. To be able to help fix his car
   B. So he can trust your work
   C. To be able to be a responsible mechanic

Choose the word that belongs in each numbered space. Then write the word in the space provided at the left to complete the sentence.

_____ 1. If a customer feels _____ in your shop, he then can trust your work also.

_____ 2. It is important that a customer _____ in you, your shop and your work.

_____ 3. The automotive shop can be a very dangerous place to work in if _____ are not observed.

_____ 4. All auto mechanics work with the same _____.

_____ 5. Your shop not only needs to be safe but you must also know how to act as a _____.

_____ 6. Either unsafe conditions or _____ cause accidents.

_____ 7. _____ can take place very easily when a shop is not kept up properly.

_____ 8. People who work in the area of _____ have the very important responsibility of taking safety measures themselves as well as for others that come into their shops.

_____ 9. To be safe means to be free of _____.

_____ 10. A shop can be dangerous if tools or equipment are not put away or properly _____.

After you have read the information sheet, write the word you think belongs in the blank space.

Have you _____visited an _____shop that _____you feel _____because tools _____equipment were _____put away _____ properly handled? _____life can be _____in such _____place.

People who work in _____area of auto mechanics _ _____the very important responsibility _____taking safety measures for _____ as well as for _____ _that come into their _____.

Accidents can take place _____easily when a shop _____not kept up properly.

Complete each word by adding the letter of each blank space. Write a definition for each word.

1. sa__ __ty

2. e__ui__m__nt

3. a__to __ech__n__cs

4. res__ons__b__l__t__

5. to__ __s

6. sh__p

7. r__l__s

8. ac__id__nt__

Answer the following questions: 1.1

1. Who is responsible for safety in the shops?

2. What is meant by safety?

3. How are the majority of accidents caused?

4. Why is it important to know how to act in an automotive shop?

5. Why is it important to keep a shop properly maintained?

Instructions:

In this instruction sheet you will read about the rules on how to use tools and equipment properly. The vocabulary list will help you identify important words in the information sheet.

Instrucciones:

En esta página de instrucciones vas a leer como utilizar equipaje y herramientas. La lista de vocabulario te ayudará a identificar palabras importantes que contiene esta página de información.

Vocabulary

defective	Faulty, imperfect A defective tire could cause a blow out.
adjusted	Regulated The clutch had to be adjusted in order to provide better mileage.
grounded	To be connected with the earth. Metal containers should be grounded to prevent accidental electricution.
acids	Chemical solution used in batteries which may cause burns or blindness. Goggles should be worn when handling batteries with acids.
spraying	To apply by spraying such as paint. The spraying job will take an extra day to complete.
chipping	To cut or break (a small piece) from something. He is chipping with a chisel.

Keep these questions in mind while you are reading this information sheet.

1. What are the seven basic rules in working with tools and equipment?

2. What do you do if tools are defective?

3. Can you give examples of defective equipment?

4. How can unsafe tools and equipment cause accidents? Give examples.

How To Use Your Tools Properly

1. You know from what you have read that there are rules to follow in working with tools and equipment in an automotive shop. Before you begin working with any tools or equipment you must make sure that they are properly maintained in good condition. Tools and equipment not properly maintained are said to be defective. Examples of defective equipment and tools are loose hammer heads, electrical equipment with grounded or bare wires, improperly adjusted machines, worn wrenches and screwdrivers or machines with safety guards missing.

2. There are seven basic rules an auto mechanic must know and follow in using the tools of his trade.

(1) Any tool or equipment that may seem defective should be reported to the foreman or person in charge to be corrected or fixed.

(2) Use the right size tools for the right job. Wipe your hands free of oil and grease to get a good grasp on tools or parts.

(3) Wear proper eye protection like goggles when you are working under a car or fender, or when hammering, chipping, spraying, grinding, or handling acids.

(4) When working with the drill press, clamp the work in place; the piece may revolve with the drill.

(5) Use a file only when it has a handle on it.

(6) Keep jack handles out of the way. Stand creepers against wall when they are not in use.

(7) Use a soft hammer or a mild punch on hard surfaces.

3. Remember that when you work with tools and equipment that are defective you are working with unsafe tools and equipment. It may cause you and others serious injury. Don't forget the seven basic rules on safety in using tools which we mentioned. In the next reading you will read about another cause of many deaths or serious injuries in the automotive shop.

Find The Answers

1. There are _____basic rules that auto mechanics must follow.

   A. six
   B. three
   C. five
   D. seven

2. The word in paragraph 1 that means kept up is _____.

3. The words "not properly maintained" in paragraph 1 refer to the word _____.

4. The story does not say so, but it makes you think that

   A. Tool safety is a way of protecting lives
   B. Tools should be used until they fall apart.
   C. Tool safety is impractical in the shop

5. Tools should be well oiled before using.

   Yes No Does not say

6. On the whole, this story is about

   A. Accidents which occur in the shop
   B. Basic rules to follow while using tools
   C. Seven rules for using a drill press

7. Why should defective equipment and tools be replaced or repaired? (check story again)

   A. Because they are unsafe
   B. To provide extra work
   C. To keep them in good condition

Fill in the blanks after you have read the article. 1.2

Remember that when you _ _____with tools and equipment _____are defective you a:e _____ with unsafe tools and _____. It may cause you _____others serious injury. __ _____forget the seven basic _____on safety in using _____which we mentioned. In_____next reading you will _____about another cause of _____deaths or serious _____in the automotive shop.

Match the following words with the correct definition.

_____defective	a. automatic
_____hammer	b. protective glasses with shields on the side
_____unsafe	c. an instrument used for working under a car
_____auto	d. not properly maintained
_____goggles	e. a hand tool consisting of a solid head
_____drill press	f. upright drilling machine
_____creepers	g. defective equipment

Choose the word that belongs in each numbered space. Then write the word in the space provided to complete the sentence.

_____1. Use a soft hammer or mild punch on _____ _____surfaces.

_____2. Remember that when you work with tools and equipment that are _____' you are working with unsafe tools and equipment.

_____3. _____creepers against wall when they are not in use.

_____4. When working with the drill press, _____the work in place; the piece may revolve with the drill.

_____5. Use the right size tools for the _____job.

_____6. Any tool or equipment that may be defective should be reported to the _____or person in charge to be corrected or fixed.

_____7. There are _____basic rules an auto mechanic must know and follow in using the tools of his work.

_____8. Before you begin working with any tools or equipment you must make sure that they are properly _____in good condition.

_____9. Tools and equipment not properly maintained are said to be __ _____.

_____10. Wear proper eye_____like goggles when you are working under a car or fender.

Instructions:

In this information sheet you will read about how fire is constantly causing injury and destruction in shops. Also what auto mechanics must do to prevent fires. The vocabulary list will help you remember important words in this information sheet.

Instrucciones:

En esta página de información vas a leer acerca de como quemasones estan constantemente causando destrución y injurias en talleres de automóviles. También vas a leer lo que debe de hacer un mecánico para prevenir encendios. La lista de vocabulario te ayudará a recordar palabras importantes en esta página de información.

Vocabulary

Combustible — Material that can catch fires very easily.
Gasoline is a combustible material.

Prevent — Not to let happen.
The man will prevent an accident if he follows the speed limit.

Spontaneous Combustion — Something that starts on fire by chemical action.
Rags with gasoline can start on fire by spontaneous combustion.

Solvent — A liquid used to clean or dissolve.
Solvents are used to clean grease.

Hazards — A source of danger.
It is a hazard to leave oily rags lying around.

Remember the following information as you read this information sheet.

1. You must prevent fires before they happen in your shop.

2. There are six general rules to prevent fires.

Fire Prevention

1. From what you have read you know that you must follow basic rules in working with tools and equipment. There are other dangers (hazards) that an auto mechanic must prevent. Fire is constantly causing injury and destruction because a mechanic failed to follow rules in preventing fires.

2. It is very easy for a shop to catch fire. Millions of dollars worth of equipment have been lost in automotive shops because someone failed to observe rules on fire prevention. More than equipment has been lost; many lives have also been lost. This is very important to think about because someday your life might be lost due to a fire that could have been prevented.

3. The following rules should always be enforced in order to keep your shop safe from fire.

   (1) Oily rags may catch fire by spontaneous combustion if left tightly packed in a warm place. Spontaneous combustion means that a rag starts on fire as a result of chemical action that produces heat and fire. If oily rags must be kept, they should be stored in covered metal containers. There should be two containers, clearly marked, one for clean rags and one for oily rags.

   (2) All gasoline should be stored in a safety can. (Remember, too, that solvent is the proper cleaning fluid, not gasoline). Care must be taken not to spill gasoline, kerosene or oil on the floors. If any spillage occurs, wipe immediately. Be sure all metal containers that contain <u>combustible</u> material are grounded.

   (3) Be careful when working with a car with a leaky carburetor, fuel line or pump. Catch the leak with a rag or can. Avoid sparks around the car. Do not start a car until ignition has been timed and air cleaner is in place. All electrical connections should also be checked.

   (4) Smoke only in designated areas and at designated times. Never carry matches in work clothes.

(5) Electrical equipment must be handled properly. Improper care of electrical equipment is one of the main causes of fire. Make sure all portable electric equipment is properly grounded. Use only rubber-covered three ply conductor, type S extension cords. Avoid placing live wires near fuel lines, carburetor, or gas tank.

(6) Be sure you know where fire extinguishers are kept in case of an emergency.

Lifting devices and grease racks are a third area where it could be unsafe unless you follow the basic rules for safety.

Find The Answers

1. There are _____basic rules concerning fire which auto mechanics should be familiar with.

   A. six
   B. three
   C. five
   D. seven

2. The word in paragraph 2 that means a thousand thousands is _____.

3. The words "constantly causes injury" in paragraph 1 refer to the word _____.

4. The story does not say so, but it makes you think that

   A. Most fires are caused by arsons.
   B. Following fire rules can prevent many injuries and deaths.
   C. Faulty equipment is the main cause of fires.

5. Metal containers which contain combustible material are never grounded.

   Yes No Does not say

6. On the whole, this story is about

   A. Lifting devices and grease racks
   B. Rules to prevent fires
   C. Combustible material

7. Why should oily rags be kept in metal containers?

   A. To be separated from clean rags
   B. In case spontaneous combustion occurs
   C. So they can be grounded

Place the proper letter for each blank to correctly spell the word. Rewrite any word you get wrong. Also give a definition for each word.

1. d __ng __r _____

_____

2. car__ur__to__ _____

_____

3. __om__ust__on _____

_____

4. spo__tan__ous _____

_____

5. co__du__to__ _____

_____

6. g__s__l__ne _____

_____

7. el__ct__ic__l _____

_____

8. a__to__oti__e _____

_____

9. equ__pme__t _____

_____

In the lists below circle the correct spelling of each word.

1.	dangre	daenger	danger
2.	injery	injury	injure
3.	mechanic	mecanic	mechanick
4.	automoteve	automotive	atomotive
5.	ecuipment	equipment	eqwipment
6.	elecktrical	elecktrikal	electrical
7.	spontaneous	spawntaneous	spontaneos
8.	prevent	preevent	preavent
9.	counductor	conductor	conducter
10.	comebustion	combushtion	combustion
11.	chemical	cemical	kemical
12.	contaner	container	cantaner
13.	gasoline	gasolene	gassoline
14.	caroseen	kerosene	carosen
15.	karberator	carburetor	corberator

Select the correct term from the following list and place it next to the statement in parenthesis.

sparks	gasoline	fire
spillage	solvent	combustible material
oily rags	smoking	
spontaneous combustion	portable electric equipment	

1. Should all be grounded (_____).
2. Should be stored in a safety can (_____).
3. Should be avoided around cars(_____).
4. Proper cleaning fluid (_____).
5. Should be kept in metal containers(_____).
6. Should be wiped immediately (_____).
7. Only in designated areas at designated times (_____).
8. Chemical action that produces heat and fire (_____).
9. Constantly causing injury and destruction(_____).
10. All metal containers containing this should be grounded(_____).

Answer These Questions. 1.3

1. How may oily rags catch on fire?

2. Why should you use solvent instead of gasoline for cleaning?

3. Explain spontaneous combustion.

4. Why should you know where fire extinguishers are kept?

5. What must you use with portable electric equipment to make sure it is properly grounded?

Instructions:

In this information sheet you will read about the dangers that exist with lifting devices. The vocabulary list will help you remember some important words in the information sheet.

Instrucciones:

En esta página de información vas a leer acerca de los peligros que existen en trabajar con divisas para levantar carros. La lista de vocabulario te ayudará a recordar algunas palabras importantes que aparecen en la página de información.

Vocabulary

profession(al)	A particular group of workers, a trade. A good profession always attracts people.
inspect(ed)	To check something over. The mechanic inspected the carburetor before he installed it.
specific(ally)	To the point, especially. The hammer is made specifically for hammering.
design(ed)	Made, created. The V-6 engine was designed to give better mileage.
provide(d)	Made for someone to use. The phone is provided for customers only.
securely	To be safe. Tighten the bolt securely.
familiar	To be known or acquainted with. We are familiar with automatic transmissions.
instantly	From one second to another. The man died instantly in the accident.

Keep the following questions in mind while you are reading this information sheet.

1. There are three general types of lifting devices, the jack, chain hoist and lifts.
2. A car must always be blocked for extra support.
3. Never overload chain slings while using a chain hoist.
4. Always remove or turn jack handles to prevent tripping.

Lifting Devices

1. Everyone who works with cars should be aware of the dangers that exist with lifting devices. (A car can crush a person instantly whether it falls off a jack or grease rack). When a person is working with lifting devices one must keep certain rules in mind.

2. There are three main types of lifting devices which you as a professional should make yourself familiar with in order to prevent unnecessary accidents in your shop.

3. Of all lifting devices, chain hoists, jacks, and lifts are the most common around shop areas; therefore, they also can be the most dangerous.

4. When using a chain hoist remember to fasten securely and not to overload chain slings. Be sure to inspect chain hoist before use and test by first lifting only a short distance.

5. When using lifting devices be absolutely sure of their safe operating condition and never lift or lower a car if someone is working underneath it.

6. Remember always to use blocks or horses to support the car. Don't depend on jack or chain hoists alone. Also, remember that lifting jacks should be wheel-centered before making lift. Always turn or remove jack handles to prevent accidental tripping.

7. Before a car is raised on a drive-on type lift, remember to set the brakes; block the wheels, and check to see that the car is not in gear. This type of lift should never be rocked unless the lift is specifically designed for that purpose. Once you have completed your work on the car make sure everyone is in the clear before lowering lift, and always use all safety devices provided for your safety on the lift.

Find The Answers

1.4

1. What should be used to support a car?

   A. horses
   B. jacks
   C. chain hoists
   D. spare tires

2. The word in paragraph 2 which means "not essential" is _____.

3. The words "this type of lift should never be rocked" refer to _____

   _____.

4. The story does not say so, but it makes you think that

   A. Jacks shouldn't be centered
   B. People cause most accidents
   C. A lifting device could fall on someone

5. Chain hoists should be inspected and lifted a short distance before using.

   Yes No Does not say

6. On the whole, this story is about

   A. Safety with lifting devices
   B. Using a jack to change a flat
   C. Dangers of chain hoists

7. When should you set the brakes, block the wheels, and check to see that the car is not in gear?
   (Check the story again)

   A. When using a drive-on type lift
   B. When using a chain hoist
   C. When using a creeper

After you have read the information sheet, write the word you think belongs in the blank.

Of all lifting devices; _____ _____, jacks, and lifts are the most _____around the _____areas, therefore, they can also _____the most _____.

When _____a chain hoist _____to fasten _____and not to _____ chain slings. Be sure to _____chain hoists before use and _____by first lifting only a short _____.

When _____lifting devices be _____ sure of their _____ operating _____and never _____ or __ _____a car if someone is working _____it.

1.4

Complete each word by adding the letter of each blank space. Write a definition for each word.

1. _d_rm_ _ _h _____

_____

2. r_m_m_er _____

_____

3. _ns_e_t _____

_____

4. o_ _r_ _ _d _____

_____

5. se_ _r _ly _____

_____

6. d_st_n_ _ _____

_____

7. co_d_ _ion _____

_____

8. a_s_l_t_ly _____

_____

9. c_ _m_n _____

_____

10. th_r_ _ore _____

_____

Answer The Following:

1. Give two rules which you should follow when using a chain hoist.

   A.

   B.

2. List five general safety rules concerning lifting devices.

   A.

   B.

   C.

   D.

   E.

3. List five rules you should follow when using a drive-on type lift.

   A.

   B.

   C.

   D.

   E.

Instructions:

In this information sheet you will read about the importance of dressing proper for the job of an auto mechanic. It is important that proper clothing is used for the job. You are provided with a list of words that are important in this article. Check each word carefully before reading this article.

Instrucciones:

En esta pagina de informacion vas a leer de la importancia del modo de vestir para un mecanico. Es importante que se utilize la propia ropa para el trabajo. Tienes una lista de vocabulario que es importante en esta lectura. Lee cada palabra cuidadosamente.

Vocabulary

combustible	Capable of starting on fire. An oily rag is very combustible.
ignite	To set on fire. Gasoline placed next to a fire can ignite easily.
concentrate	To fix one's mind on something. To do a good job you should concentrate on what you are doing.
current	The flow of electricity. The current of electricity runs through the wires.
spark	A small particle of a burning substance. Live wires can give out spark(s).

Keep the following questions in mind as you read the information sheet.

1. What type of clothing is suitable for an auto mechanic?

2. What are some safety practices to keep in mind while on the job?

3. Why are you discouraged from wearing jewelry while working in the shop?

4. How can oily rags be dangerous?

1. Every professional job requires a particular type of clothing and behavior. A baker must wear a uniform that is much different than one a welder wears. This is also true of an auto mechanic. You must wear the proper clothing while working in an auto mechanic shop. If you fail to wear the proper clothing you are placing yourself in danger of getting hurt.

2. An auto mechanic must take his work seriously. Working quietly is important in order to concentrate on what is being done. Horseplaying causes accidents. Playing with tools and equipment such as compressed air could cause a person to lose an eye. Loose clothing such as dangling sleeves or neckties can become entangled in machinery. Rugged shoes should be worn to protect the feet from being cut by sharp objects or crushed by heavy objects. Some workers wear steel-toe safety shoes for protection. The auto mechanic should not wear any type of jewelry such as watches, rings, or chokers because they could cause injury. For example, jewelry may get caught in the moving parts of a machine and cause the machine to smash the fingers and hand; a ring could touch a live current and cause burns.

3. If at any time your clothes become soaked with a combustible liquid, they should be changed immediately because they can be set on fire by a spark or other type of flame. Never carry oily rags in your pocket, they also ignite easily.

4. As you must know by now, an auto mechanic must not only prevent accidents by keeping his shop safe. It is equally important to work quietly and wear the proper clothing.

Find The Answers

1. An auto mechanic should wear _____for protection.

   A. long sleeved shirts
   B. rugged shoes
   C. gloves
   D. choker

2. The word in paragraph 3 that means to catch fire is _____.

3. The words "can become entangled in machinery" in paragraph 2 refer to the words _____ _____.

4. The story does not say so, but it makes you think that

   A. Loose clothing can protect you from grease and oil
   B. If you don't concentrate on your work you could lose an important tool or part.
   C. Chokers are acceptable for work

5. Compressed air could cause a person's hand to be cut off.

   Yes No Does not say

6. On the whole, this story is about

   A. Working quietly and wearing proper clothing in the shop
   B. Types of jewelry people wear
   C. Combustible liquids

7. Why is it important to remove clothes soaked with combustible liquid? (Check the story again)

   A. They could become entangled in moving machinery
   B. To prevent them from igniting
   C. To protect your clothing

Circle the correct word in parenthesis. 1.5

1. An auto mechanic must (wear, ware) protective clothing.

2. You must work quietly in order (to, too) be able to get the job done.

3. A person could (lose, loose) an eye by being careless.

4. Some workers wear rugged (choose, shoes) for protection.

5. An auto mechanic should not wear (watches, washes) while working near machinery.

6. Clothing can (be, bee) ignited by a spark.

7. The proper clothing is very important (for, four) the mechanic.

8. (Loose, lose) clothes can become entangled in machinery.

9. A (ring, wring) could cause burns if it touched a live current.

10. Auto mechanics have much work to do in the (chop, shop).

Fill in the blanks with the correct word. 1.5

particular	professional	mechanic
concentrate	quietly	compressed
ignite	rugged	current

1. Every _____job requires a _____type of clothing.

2. An auto _____ must be able to work _____and _____ on his work.

3. _____air could cause a person to lose an eye.

4. _____shoes are needed for protection against heavy objects.

5. Oily rags could_____very easily.

6. A ring could touch a live _____and cause burns.

Answer The Following Questions:

1. Why should an auto mechanic work quietly?

2. What type of clothing should be worn on the job?

3. What type of jewelry should never be worn and why?

4. Why should combustible liquids be kept away from your clothing?

5. In what way could a ring be dangerous?

POST-TEST 1.0

1. How are the majority of accidents caused in the shop?

2. Why is it important to know how to act in an automotive shop?

3. What are the seven basic rules an automotive mechanic must follow?

4. Why should defective tools and equipment be replaced or repaired?

5. Why should you use solvent instead of gasoline for cleaning?

6. What is spontaneous combustion?

7. What rules should you follow when using a chain hoist?

8. List three rules you should follow when using a drive-on type lift.

9. What type of jewelry should never be worn and why?

10. Why should an auto mechanic work quietly?

Vocabulary	Vocabulario
adjust	ajustar
accident	accidente
aware	saber
both	ambos
basic	básico
behavior	conducta
concentrate	concentrar
compress	comprimir
common	común
certain	cierto
container	envase
confidence	confianza
customer	marchante
clamps	abrazadera
crush	aplastar
danger	peligro
defective	defectivo
destruction	destrucción
equipment	equipaje
exist	existir
enforce	esforzar
fail	fallar
fasten	asegurar
grasp	agarrar
grease	grasa

Vocabulary	Vocabulario
grounded	conectar a tierra
injury	herida
inspect	inspeccionar
jack	gato
leak	escape
majority	mayoría
mechanic	mecánico
maintain	mantener
occur	ocurrir
observe	observar
protection	protección
prevent	prevenir
properly	propiamente
purpose	propósito
rule	regla
remove	remover
rocked	bambolear
require	requerir
safety	seguridad
surface	superficie
serious	serio
spill	derramar
spark	chispa
secure	seguro
tools	herramienta
wrench	llave